

Title (en)

SINGLE-PAIR ETHERNET CONNECTOR JACK

Title (de)

EINPAARIGE ETHERNETVERBINDERBUCHSE

Title (fr)

PRISE DE CONNECTEUR ETHERNET À PAIRE UNIQUE

Publication

**EP 4393035 A1 20240703 (EN)**

Application

**EP 22862175 A 20220829**

Priority

- US 202163237998 P 20210827
- US 2022041898 W 20220829

Abstract (en)

[origin: WO2023028369A1] A single pair Ethernet connector jack includes a housing that includes a first end having two pin contacts. The first end receives a single pair Ethernet free connector. The connector jack housing includes a second end that provides a single pair Ethernet cable interface and wire termination through use of two insulated displacement contacts. The insulation displacement contacts are electrically coupled to the pin contacts enabling power, data, or both power and data to be transferred from the single pair Ethernet cable to the free connector.

IPC 8 full level

**H01R 13/6463** (2011.01); **H01R 13/629** (2006.01); **H01R 24/64** (2011.01)

CPC (source: EP)

**H01R 4/242** (2013.01); **H01R 11/05** (2013.01); **H01R 13/6581** (2013.01); **H01R 31/06** (2013.01); **H01R 13/112** (2013.01); **H01R 13/506** (2013.01); **H01R 13/65915** (2020.08); **H01R 13/65917** (2020.08); **H01R 2201/06** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

**US 2022041898 W 20220829**; EP 22862175 A 20220829